



AIRFRAME MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 18280231 N417RG

RECORD NUMBER _____


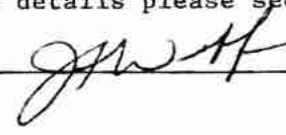
D5517-1-13

MAINTENANCE RECORD


DATE 19 <u>98</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>06/05</u>	<u>2</u>	<u>8</u>	<p>This aircraft has been inspected and found in compliance with the requirements of FAR 21.183 and all mandatory changes. The Transponder S/N <u>4438</u> was inspected and tested on <u>5-8-98</u> and is in compliance with FAR 91.413.</p> <p>The Static Pressure System was inspected & tested on <u>5-8-98</u>. The Altimeter(s) have been inspected and tested and are in compliance with FAR 91.217 and 91.411 to an altitude of <u>20000</u> feet. L. <u>394947</u> Date <u>5-3-98</u> R. <u>N/A</u> Date <u>N/A</u></p> <p>Standard Certificate of Airworthiness dated <u>06-05-98</u> has been issued by the undersigned.</p>	
<u>06/05</u>	<u>2</u>	<u>8</u>	<p>ELT battery date expires March 2000. AD's comply thru 98-09.</p>	<p style="text-align: right;"><small>PAA APPROVED UNDER FAR 21 SUBPART J</small> The Gossna Aircraft Co Delegation Option Manufacturer CE-1</p> <p style="text-align: right;">By <u>[Signature]</u> Executive Engineer</p>
<u>06-16</u>	<u>3</u>	<u>7</u>	<p>Comply with Service Order # 2-00228. KANA-26A PIN 066-01155-0201 S/N 002008, Replaced with 066-01155-0101, S/N 001332. sys. ops v'd 9000- WLR</p>	<p style="text-align: right;"><u>[Signature]</u> SE 197R79CN 6</p>

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1998 JULY 15	33	3	COMPLIED WITH AD 98-13-10 BY INSTALL PIECES AND INSPECT MUFFLERS IAW SB 98-78-02. NEXT DUE: SB.3 IAGIS49441	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19__	HOURS	10ths		
			<p>ORLANDO AVIONICS CORP. DBA ORLANDO Aircraft SERVICES  <small>EXECUTIVE AIRPORT • P.O. BOX 140741 ORLANDO, FLORIDA 32814 TELEPHONE: (407) 894-9963</small></p> <p>DATE <u>7/14/98</u> T.T. _____ HOUR/M _____</p> <p>Installed B.F. Goodrich WX-950 Stormscope in the right hand instrument panel and antenna on the bottom at station # 175. Installed Avionics Innovations AI-CD radio in right hand instrument panel and Comant CI-122 antenna on the bottom at station #145.</p> <p>For further details please see FAA Form 337 dated</p> <p>Signature <u></u></p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1998				
11/6	123	TACH 4	C/W AD 98-13-10 PARA (b) by inspection of muffler end plates (4) and Cessna Service Bulletin SB 98-78-02. NO cracks found. Operational check OK for return to service. Due again @ 148.4 TACH.	<div style="text-align: right;"> <i>Jay L. Shively</i> AHP 1260272022 IA Echota Aviation Serv. </div>
	141	4		
			11-23-98 Logbook Entry N417RG Replaced S3330-2 directional GYRO, s/n T49912C with new S3330-2 directional GYRO, s/n T51546D. See attached 8130-3 form from Cessna Aircraft Co. New vacuum filter installed this date.	
				
			STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M	

1. UNITED STATES

FAA FORM 8130-3

AIRWORTHINESS APPROVAL TAG
U.S. Department of Transportation
Federal Aviation Administration

3. SYSTEM TRACKING REL. NO.
D69903

4. ORGANIZATION
CESSNA AIRCRAFT COMPANY
CESSNA PARTS DISTRIBUTION, DEPT. 702, 5800 E. PAWNEE, WICHITA, KS 67218

5. WORK ORDER, CONTRACT OR INVOICE NUMBER:
D8117219

6. ITEM	7. DESCRIPTION	8. PART NUMBER	9. ELIGIBILITY *	10. QUANTITY	11. SERIAL/BATCH NUMBER	12. STATUS/WORK
1	GYRO DIREC	S3330-2	TBV by installer	1	T51546D	NEW

13. REMARKS
NEW UNIT BEING SOLD AS NEWLY OVERHAULED.

AIRWORTHINESS APPROVAL-PARTS
THIS FORM IS NOT AN EXPORT APPROVAL

Limited Life parts must be accompanied by maintenance history including total time/total cycles/time since new.

14. New
Newly Overhauled

Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.

NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

Return to Service in Accordance with FAR 43.9

Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

15. SIGNATURE
FAA APPROVED UNDER FAR 21 SUBPART J
The Cessna Aircraft Co.
Delegation Option Manufacturer CE-3

17. NAME (TYPED OR PRINTED)
F. C. Dempsey
Executive Engineer
F. C. Dempsey

16. FAA AUTHORIZATION NO.:
DOA PC4

20. AUTHORIZED SIGNATURE

18. DATE
11-20-98


22. NAME (TYPED OR PRINTED)

21. CERTIFICATE NUMBER:



23. DATE

* (Optional) Installer must cross check eligibility with applicable technical data..

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10IRS		
			<p>N417RG TACH: 135.9 Hobbs: 156.2</p> <p style="text-align: center;">  <small>P.O. BOX 22725 LOVELL FIELD - CHATTANOOGA, TN. 37422 (615) 499-1100</small> </p> <p style="text-align: right;">DATE: 1/15/99 WO# M1054</p> <p>CW AD 98-23-01, IAW Airborne Service letter NO. 48 and CESSNA SB 98-37-01, by installing Coupling Assembly Kit NO. 350 on Both Vacuum Pumps. -END- Matt Thayer A3P410591787</p>	

MAINTENANCE RECORD

			<p>N417RG TACH: 164.3</p> <p style="text-align: center;">  <small>P.O. BOX 22725 LOVELL FIELD - CHATTANOOGA, TN. 37422 (615) 499-1100</small> </p> <p style="text-align: right;">DATE 3/19/99 WO# M1141</p> <p>Removed and replaced right front Seat Actuator P/N C165031-0101. Seat ops checked good. -END- Matt Thayer A3P410591787</p>	
			<p>N417RG TACH: 163.4</p> <p style="text-align: center;">  <small>P.O. BOX 22725 LOVELL FIELD - CHATTANOOGA, TN. 37422 (615) 499-1100</small> </p> <p style="text-align: right;">DATE: 3/3/99 WO# M1082</p> <p>CW SB 98-78-03 by installing (2) P/N 9954200-9, mufflers. CESSNA SNL 98-14 states that installation of P/N 9954200-9 mufflers deletes the 25 HR Repetitive Insp. as per AD 98-13-10. Aircraft Ground Run ops checked Good. -END- Robert E. Sutton A3P4108683053</p>	

MAINTENANCE RECORD

DATE 19 <u>99</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>7/2</u>	<u>181.</u>	<u>8</u>	Performed AN ANNUAL INSPECTION per FAR 43 Appendix D and Cessna 182S inspection sheets with the following action taken, Removed & Replaced left cowl flap ckit Comp P/N 0752732-1, Installed new rev. Left Sector Right wing P/N 1221201-4, Installed missing screw on trim around elev. Pulley, C/w SB 98-25-02 Seat roller insp, Installed (4) missing bushings, C/w SB 99-28-01 wing Fuel Tank check valve found to be OK per S/B, C/w SB 99-32-01 Brake Torque plate per SB By reversing torque plates, All AD'S Bi-weekly + SB checked thru this date End.	
			I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. <u>ANNUAL</u> INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE. DATE: <u>7-2-99</u> TACH TIME: <u>181.8</u>	Robert E. Sutton HP 408683053

MAINTENANCE RECORD

DATE 19 ___	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Logbook Entry N17639 8-27-99 KC140 Flight control computer p/n 065-00176-5201 s/n 2081 was replaced in aircraft after modification per Bendix King service bulletin NO: KC140-4 was performed by Allied Signal. Operation checks ok.	
			Dale Rason Jr. STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M	

1. UNITED STATES		FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration				3. SYSTEM TRACKING REL. NO. D63109	
4. ORGANIZATION CESSNA AIRCRAFT COMPANY CESSNA PARTS DISTRIBUTION, DEPT. 702, 5800 E. PAWNEE, WICHITA, KS 67218						5. WORK ORDER, CONTRACT OR INVOICE NUMBER: D9099774	
6. ITEM	7. DESCRIPTION	8. PART NUMBER	9. ELIGIBILITY *	10. QUANTITY	11. SERIAL/BATCH NUMBER	12. STATUS/WORK	
1	GYRO DIREC	S3330-2	TBV by installer	1	T54555D	NEW	
13. REMARKS NEW UNIT BEING SOLD AS NEWLY OVERHAULED. AIRWORTHINESS APPROVAL-PARTS THIS FORM IS NOT AN EXPORT APPROVAL				N417RG LOG Entry 8/27/99			
Limited Life parts must be accompanied by maintenance history including total time/total cycles/time since new.							
14. New <input checked="" type="checkbox"/> Newly Overhauled <input type="checkbox"/> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.				Return to Service in Accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.			
15. SIGNATURE <i>Marilyn Lipps</i>		16. FAA AUTHORIZATION NO. DOA PC4		20. AUTHORIZED SIGNATURE		21. CERTIFICATE NUMBER	
17. NAME (TYPED OR PRINTED) Marilyn Lipps		18. DATE 9-21-99		22. NAME (TYPED OR PRINTED)		23. DATE	

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
			LOGBOOK ENTRY N417RG	
			10-15-99 Replaced Directional Gyro p/n S3330-2 s/n T51546D with new Directional Gyro p/n S3330-2 s/n T54555D. See attached 8130-3 form from Cessna Aircraft Company.--END--	
			<i>J.M. Milner</i> for STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
11/12	272	6	CW SB99-53-01 by installing Cessna Modification Kit MK182-53-01A. all work done IAW Cessna Mod Kit MK182-53-01A	<i>J.P. Blum</i> A&P 408398596
11-29	Tack 241.6 Hobbs 288.7		C/W SB 99-24-01 Electrical Power system mod. Per kit instructions MK182-24-01 Dated March 15, 1999 Removed alternator control unit P/N AC2100 S/N 712045 Installed AC2101 S/N 978208 system ops OK'd Good <i>Robert E. Sutton</i> A&P 408683053	
11-29	Tack 241.6 Hobbs 288.7		Removed & Replaced manifold Pressure Gauge P/N 5-3304-1 S/N OFF C98427 S/N ON 899796	<i>Robert E. Sutton</i> A&P 408683053

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p align="center">Logbook Entry N417RG 11-30-99 Replaced #1 KX155A p/n 069-01032-0101 s/n 4203 with KX155A p/n 069-01032-0101 s/n 15089. Operation checks Ok.</p> <p align="center"><i>J.M. Wilkerson</i> STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	
			<p align="center">Logbook Entry N417RG 11-30-99 Performed modification per Allied Signal Service Bulletin KMA26-2 to KMA26 p/n 066-01155-0101 s/n 1332. Operation checks ok.</p> <p align="center"><i>J.M. Wilkerson</i> STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p align="center">Logbook Entry N417RG 1-11-00 Replaced #2 KX155A p/n 069-01032-0201 s/n 4154 with KX155A p/n 069-01032-0201 s/n 15502. Operation checks ok.</p> <p align="center"><i>J.M. Wilkerson</i> STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
02/16/00 Star Avionics WO# 1597	269	1	SB99-24-02 Circuit breaker and installation CW by installing Kit # MK182-24-02. SB99-25-01 EXT Insp. CW by performing EIT operation as per SB99-25-01 Test instructions (1)(B) SB00-27-01 CW by inspecting elevator control cable pulleys. found cables properly installed. end - <i>Jth Bill</i> 408398546 A: A	
02/17/00 Star Avionics WO# 1597 \$269.00	269	1	SB99-37-01 Vacuumhone Modification CW by installing Corona Kit # MK182-37-01. end.	<i>Jth Bill</i> 408398596 A: A
	270	9	CW SB00-79-01 Engine low oil pressure switch by installing new P/N 83278 switch. Switch ops and logic checked good. -END-	more than A3P 410591787

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p align="center">DIVE</p> <p align="center">Logbook Entry N417RG</p> <p>3-13-00 Complied with KS270C-4 ALERT service bulletin KS270C, 065-00178-2200 s/n 1443, complied with KS271C-5 ALERT service bulletin KS271C, 065-00179-0100 s/n 1883, complied with KS272C-4 ALERT service bulletin KS272C, 065-00180-2700 s/n 1343.</p> <p><i>Dale Razor</i> →</p> <p align="right">STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE 2000 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5-5-00	Tach 302.3 Hrs 341.5		<p>Performed an annual inspection per FAR 43 appendix D and Cessna 182S inspection guides with the following action taken, Installed new ELT Battery P/N 2020 Next Due 2/2002, Installed new Standby P/N 0713379-1, C/W 58 00-29-01A Circuit Breaker Retrofit Kit, Installed new Co-pilot Seat Actuator P/N C165031-0101, C/W 58 00-34-01 Pilot Tube Heat Insulation Kit, Installed new nose tire P/N 505C-66-1 500X6X6, AD'S & Brakes checked thru this date. END</p> <p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr ANNUAL INSPECTION AND FOUND AIRWORTHY APPROVED FOR RETURN TO SERVICE.</p> <p>DATE: <u>5-5-00</u> TACH TIME: <u>302.3</u></p>	Robert E. Sullivan AA 402683053 ZA

MAINTENANCE RECORD

DATE 19	TOTAL TIME IN SERVICE HOURS	Logbook Entry	N417RG	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		5-19-00 Replaced co-pilot side static port with new port p/n S1776-5. See attached 8130-3 form from Cessna Aircraft Co.		
		<p>THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411, IN ACCORDANCE WITH FAR 43, APPENDIX E HAVE BEEN PERFORMED.</p> <p>PARA (a) STATIC SYSTEM TO <u>2000'</u> <u>5-19-2000</u></p> <p>PARA (b) ALTIMETER #1 TO <u>20000'</u> <u>SN 394947</u> <u>5-5-2000</u> ALTIMETER #2 TO <u>N/A</u></p> <p>PARA (c) INTEGRATED SYSTEM TO <u>20000'</u> <u>5-5-2000</u></p> <p>KT 76C SN 4438 <u>5-5-2000</u> ATC TRANSPONDER SYSTEM OPERATION CHECKED AND MEETS REQUIREMENT OF FAR 91.413 AS PRESCRIBED IN APPENDIX F OF PART 43.</p> <p align="right">STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>		

For	Reads	Tol	STAR AVIONICS INC.	
-1000	+5	20	Repair Station TA4R537M	
0	✓	20	Lovell Field Chatta., TN	
500	+5	20	Phone (423)499-1100	
1000	-10	20		
1500	-5	25	CASE LEAK	HYSTERESIS
2000	-15	30	0 ft/min	+15 at 50%
3000	-25	30	Tol. 100 ft	+15 at 40%
4000	-35	35		Tol. 75 ft.
6000	-40	40	FRICITION	AFTER EFFECT
8000	-50	60	ERROR	+5 ft.
10000	-55	80		Tol. 30 ft.
12000	-65	90	1k	40
14000	-75	100	2k	35
16000	-90	110	3k	40
18000	-90	120	5k	40
20000	-90	130	10k	50
22000		140	15k	55
25000		155	20k	65
30000		180	25k	
35000		205	30k	
40000		230	35k	
45000		255	40k	
50000		280	50k	
			BARO SCALE	
			140	28.10-1725-1727
			80	28.50-1340-1340
			90	29.00-860-863
			100	29.50-395-392
			120	29.92-0-0
			140	30.50+525+531
			160	30.90+990+893
			180	30.99+970+974
			250	Tol. 25 ft.
Tested Per F.A.R. Part 43, Appendix E.				
P/N	5934P-3	S/N	394947	
W.O.	18905	Aircraft	N417RG	
Date	5-5-00	Tech	James Hendrich	

UNITED STATES		FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		SYSTEM IDENTIFICATION NO. D32311	
ORGANIZATION: CESSNA AIRCRAFT COMPANY CESSNA PARTS DISTRIBUTION DEPT. 702 5800 E. PAWNEE, WICHITA, KS 67218				WORK ORDER OR TAG NO. D0050167	
1. ITEM	2. QUANTITY	3. PART NUMBER	4. FLIGHT BY	5. CITY	6. STATUS/WORK
0001	BUTTON	S1776 5	TRV BY INSTALLER	N/A	NEW
7. TELETYPE: AIRWORTHINESS APPROVAL-PARTS. THIS FORM IS NOT AN EXPORT APPROVAL					
LIMITED USE PARTS MUST BE ACCOMPANIED BY MAINTENANCE HISTORY INCLUDING TOTAL TIME/TOTAL CYCLE/TIME SINCE NEW					
8. NEWLY OVERHAULED <input checked="" type="checkbox"/>		9. RETURN TO SERVICE IN ACCORDANCE WITH FAR 43.8		10. CERTIFICATE NO.	
11. DATE: 05/04/00		12. NAME (TYPE OR PRINTED): JEFF HINMAN, DOA		13. DATE: 05/04/00	

**SERVICEABLE
COMPONENTS**

PART NAME Altimeter DATE 5-5-00
 MANUFACTURER United S/N 394947
 PART NO. 5934P-3
 OWNER Romeo Diprima
 A/C TYPE Cessna NO. N417RG
 REMARKS Certified to 20,000 ft.
 TECHNICIAN James Hendrich

STAR AVIONICS, INC.
LOVELL FIELD
CHATTANOOGA, TN 37421
FAA CERTIFIED REPAIR STATION #TA4R537M



DATE: 2000-18
 N-17RG
 TACH: 305.6
 DATE: 5/18/00
 DO # m1707, m1708

Removed right Seat Actuator and installed new P/N mm20-1057 Locc, P/N MCS794-24 control and P/N ms16632-2025 Ring. Seat Actuator OOPS checked good. Painted new nose wheel fairing P/N GS43079-7. Installed P/N 117435-01-05 and P/N 117435-01-04 Graphics. Removed cracked nose wheel fairing and replaced w/ new one. - END -
 Matt Chapman A/P 40591787

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

08/16/00
 TACH: 334.2
 Hobbs: 400.0

The following SB's and SN's are C/W:
 SB00-73-01 fuel line inspection, SNL 00-8 vacuum pump gaskets, replaced two gaskets P/N S3346-1, SB00-37-01 vacuum central filter, SB00-27-02 inspected aileron interconnect cable pulleys, SB00-24-02A panel reroute wires
 end

John O'Brien
 408398596 A:P

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1900				
08/28	338.5 405.7	TACH Hobbs	CORRECTED INACCURATE WEIGHT & BALANCE DATED 07/14/98 NEW EMPTY WT 1949.6 LBS NEW MOMENT 71932.0 INS = 36.9 INS CG GROSS WT 3100.0 lbs USEFUL LD 1150.4 lbs	Edward J. ... 29258372AP
04/27 2001	477.0			Edward J. ... 29258372AP

GOLDEN EAGLE AIRCRAFT SERVICES, INC.
 1957 HWY 41 SOUTH, HANGER #2 CALHOUN, GA. 30701 706-625-9927
 DATE: 4/24/2001 TT: 0498.10 N#: 417RG MODEL: C-182


- * SERVICED NEW AIRCRAFT BATTERY P/N G-241 WITH ELECTROLYTE, PRE CHARGED AND INSTALLED.
- * AIRCRAFT APPROVED FOR RETURN TO SERVICE.

CHRIS ETMANCZYK A/P592366871

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
06/08/01	427.	6	<p>Performed an annual inspection Per FAR 43 appendix D and Cessna 182 Inspection Guides with the following action taken Stop drilled crack in left door strut fitting Reinstalled ram air duct to push air door Rt side cabin behind Inst. Panel, all AD'S and Bi weeklys checked thru this date.</p>	
			<p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR./ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE.</p> <p>DATE: <u>06-08-01</u> TACH TIME: <u>427.6</u></p>	<p><i>Robert E. Babb</i> #P 40683553IA</p>

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	
19__	HOUS	<div style="border: 1px solid black; padding: 5px;"> N417RG ACTOT: 498.2 Tach: 498.2 Hobbs: 592.0 </div>		<div style="border: 1px solid black; padding: 5px; width: fit-content;"> WO# M2714 DATE 07/8/02 </div>	
		<p>Performed annual inspection IAW 14CFR 43 appendix D and Cessna 182 Maintenance Manual P/N 182SMMO6 Rev.6, with the following actions taken:</p> <ul style="list-style-type: none"> • Changed ELT battery Next Due JAN 2004 • Changed both vacuum pumps; Removed pumps P/N E211CC S/N 2AP42, P/N E212CW S/N 3AP122, Installed new Tempest pumps P/N AA215CC S/N N11418, P/N AA216CW S/N N11257 • Replaced central air filter P/N D9-18-1 • Replaced regulator filter P/N B3-5-1 • Replaced map light bulb P/N 24RB • Replaced two pedestal light bulbs P/N 1829 • Checked rigging on ailerons and adjusted left aileron to neutral <p>I certify that this aircraft has been inspected IAW an annual inspection and has been found airworthy and is approved for return to service. END</p>		<p><i>Timothy D. Babb</i> Timothy D. Babb A&P 408398596 IA</p>	

MAINTENANCE RECORD

AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	DESCRIPTION OF THE WORK PERFORMED	TOTAL TIME IN SERVICE		DATE
		HOURS	10ths	
	<p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE. DATE: <u>8-18-03</u> TACH TIME: <u>555.0</u> <u>Wayne Price ATP 415485957 IA</u></p>			
	<p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE.</p>			
	<p>DATE _____ TACH TIME _____</p>			

9-17-03 N417RG C-182 S/N 18280231
TACH TIME: 559.6 TOTAL TIME: 559.6

REMOVED RUDDER DUE TO COSMETIC DAMAGE TO TRAILING EDGE. INSTALLED
REPLACEMENT RUDDER FROM WILLIAMS AIRMOTIVE, KENDALVILLE, IN. (SEE LOGS FOR
YELLOW APPROVAL TAG) CHECKED FOR PROPER BALANCE, RUDDER WAS INSTALLED
USING ORIGINAL HARDWARE, PLASTIC CAP, STATIC WICKS AND BALANCE WEIGHT.
RUDDER PAINTED TO MATCH EXISTING PAINT SCHEME BY LYNDON'S AIRCRAFT
SERVICE, APISON, TN. CHECKED RUDDER FOR PROPER OPERATION AND TRAVEL.
APPROVED FOR RETURN TO SERVICE.

Mark R. Howland
MARK R. HOWLAND AP371860514
AVIATION SPECIALISTS, INC

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

1-9-04 N417RG C-182 S/N 18280231
TACH TIME: 580.0 TOTAL TIME: 580.0

REPLACED LANDING LIGHT P/N 4596. REPLACED ELT BATTERY P/N 00-30-006 AND TESTED
IAW FAR 91.207 ALL CHECKS NORMAL. ELT BATTERY DUE REPLACEMENT IN DECEMBER
2005. APPROVED FOR RETURN TO SERVICE.

Mark R. Howland
MARK R. HOWLAND AP371860514
AVIATION SPECIALISTS, INC

3-9-04 N417RG C-182 S/N 18280231
TACH TIME: 586.7 TOTAL TIME: 586.7

REMOVED MAIN SHIP BATTERY AND INSTALLED NEW GILL BATTERY P/N G-241.
SERVICED IAW GILL INSTRUCTIONS. TESTED ELECTRICAL SYSTEM, OPS NORMAL.
APPROVED FOR RETURN TO SERVICE.

Mark R. Howland
MARK R. HOWLAND AP371860514
AVIATION SPECIALISTS, INC

Make Cessna Model 182 S.N. _____
 P.N. 1231001-13 Title Rudder assy.

This aircraft/component/subassembly identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order No. 7553

Date: July 30, 2003 Signed: Roy Williams

WILLIAMS AIRMOTIVE, INC.
 9838N 1100E
 Kendallville, Indiana 46755

WWFR 300K

417RG Logbook

1. Approving National Aviation Authority/Country:		AUTHORIZED RELEASE CERTIFICATE			2. Form Tracking Number:	
FAA/UNITED STATES		FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			422319	
4. ORGANIZATION		5. Work Order/Contract/Invoice Number			244133	
Cessna Aircraft Company Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218						
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
73	LAMP	4596	152	1	N/A	New
13. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. 152, 172, 172RG, 182, 188, 206, ALL JET, T303 PO# 30211201						

14. Certifies the items identified above were manufactured in conformity to: 18. 14 CFR 43.9 Return to Service Other regulation specified in block 13

Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 13.

19. Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

16. Approval/Authorization No.: <u>PCA</u>	20. Authorized Signature: <u>Marilyn Lipps</u>	21. Approval/Certificate No.:
17. Name (Typed or Printed): MARILYN LIPPS, DOA	18. Date (m/d/y): 12/12/2002	22. Name (Typed or Printed):
		23. Date (m/d/y):

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p style="text-align: center;">Logbook Entry N417RG</p> <p>3-25-04 Replaced KC140 autopilot computer p/n 065-00176-5201 s/n 2081 with Serviceable KC140 autopilot computer p/n 065-00176-5403 s/n 7227 per Honeywell Installation Bulletin No: 491. Checks ok. Ref. Star Avionics, Inc. W.O. #22830.</p> <p><i>Dale Raser</i> → STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p style="text-align: center;">Logbook Entry N417RG</p> <p>3-25-04 Removed KMA26 audio/mkr p/n 066-01155-0101 s/n 001332 for service. Installed Serviceable loaner KMA26 audio/mkr p/n 066-01155-0101 s/n 001611. Operation checks ok. Ref. Star Avionics, Inc. W.O. 23447.</p> <p><i>[Signature]</i> STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__				
4-21-04			<p style="text-align: center;">Log Book Entry N417RG</p> <p>Removed loaner KMA26 audio/mkr p/n 066-01155-0101 s/n 001611. Installed factory repaired KMA26 audio/mkr p/n 066-01155-0101 s/n 001332. Operation checks OK. Reference Star Avionics, Inc. work order number 23447.</p> <p style="text-align: center;"><i>[Signature]</i> STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
04 19__				
4/28	712	18	<p>Modified seats per lesson SB04-25-01 by installing Kit MK 172-25-07. R+R RT Fuel Qty Sender P/N 5 3594-4, Gaslet 52670-1, R+R Pilots + Co-pilots Seat Panels P/N 0514227-13.</p>	<p>Wayne Price A+P-15485959</p>

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>Logbook Entry N417RG THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411, IN ACCORDANCE WITH FAR 43, APPENDIX E HAVE BEEN PERFORMED.</p> <p>PARA (a) STATIC SYSTEM TO <u>2,000'</u> 7-28-04</p> <p>PARA (b) ALTIMETER #1 TO <u>20,000' s/n 426904</u> 7-28-04</p> <p style="padding-left: 40px;">ALTIMETER #2 TO <u>N/A</u></p> <p>PARA (c) INTEGRATED SYSTEM TO <u>20,000'</u> 7-28-04</p> <p style="padding-left: 40px;">KT76C s/n 4438 7-28-04</p> <p>ATC TRANSPONDER SYSTEM OPERATION CHECKED AND MEETS REQUIREMENT OF FAR 91.413 AS PRESCRIBED IN APPENDIX F OF PART 43. STAR AVIONICS, INC.</p> <p style="padding-left: 40px;">LOVELL FIELD CHATTANOOGA, TN 37421 1AA CERTIFIED REPAIR STATION # TA 4R537M</p> <p>Ref. Star Avionics, Inc. <i>Dale Reason</i></p> <p>W.O. #23807.</p>	

MAINTENANCE RECORD

DATE 2004	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
	744.0 630.6	Hobbs Tach	<p>Performed an annual inspection Per FAR 43 appendix D and Cessna inspection forms. with the following action taken. Repacked wheel bearings. Replaced vacuum and amp indicator P/N S3286-1 S/N 5193. Replaced current sensor P/N CS3100 S/N 400202. AD's and bi weekly checked through this date.</p> <p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE.</p> <p>DATE: <u>7-6-04</u> TACH TIME: <u>630.6</u> <i>Wayne Price</i> ATP 415485957 IA</p>	

SERVICEABLE
(COMPONENTS)

PART NAME Alt. man DATE 7-28-04
 MANUFACTURER Un. 700 S/N 426904
 PART NO. 5534P-3A194
 OWNER Romer Dikema
 A/C TYPE Cessna NO. N417RG
 REMARKS Tested to 20000 ft. Per 1A47
 TECHNICIAN J. K. Hill *Attorney*

STAR AVIONICS, INC.
 LOVELL FIELD
 CHATTANOOGA, TN 37421
 FAA CERTIFIED REPAIR STATION #FA49537M

For	Reads	Tol	Star Avionics, Inc. Repair Station TA4R537M Lovell Field, Chatt., TN Phone: (423) 499-1100	
-1000	+10	+/-20	Case leak	
0	-0	20	-0- ft/min	
500	+5	20	Tol. 100 ft. +/-	
1000	+5	20	Hysteresis	
1500	+5	25	+20 at 50%	
2000	+10	30	+15 at 40%	
3000	+5	30	Tol. 75 ft. +/-	
4000	-5	35	After Effect	
6000	-10	40	+10 ft.	
8000	-15	60	Tol. 30 ft. +/-	
10000	-20	80	Baro Scale	
12000	-15	90	28.10 -1725 -1727	
14000	-5	100	28.50 -1340 -1340	
16000	-0	110	29.00 -860 -863	
18000	+25	120	29.50 -400 -392	
20000	+60	130	29.92 -0- 0	
22000		140	30.50 +526 +531	
25000		155	30.90 +900 +893	
30000		180	30.99 +980 +974	
35000		205	Tol. 25 ft. +/-	
40000		230	Friction Error	
45000		255	Tol ft. +/-	
50000		280	1k 25 70	
			2k 30 70	
			3k 25 70	
			5k 25 70	
			10k 35 80	
			15k 35 90	
			20k 55 100	
			25k 120	
			30k 140	
			35k 160	
			40k 180	
			50k 250	
Tested Per F.A.R. Part 43, Appendix E. P/N <u>5734P-3A194</u> S/N <u>426904</u> W.O. <u>23807</u> Aircraft <u>N417RG</u> Date <u>7-28-04</u> Tech <u>J. K. Hill</u>				

MAINTENANCE RECORD

DATE <i>05</i>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<i>10/4/05</i>	<i>708.1</i>	<i>7</i>	<i>Performed annual inspection IAW FAR 43 appendix D and Cessna 182S inspection guide. Replaced ELT battery next due Aug 2007. Assembled wheel bearings. Checked plugs, AD's + bi weeklys. Checked through this date. END.</i>	
			I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr./ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE.	
			DATE: <i>10-4-05</i> TACH TIME: <i>708-1</i> <i>Wayne Eric ATP 415485957 EA</i>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>HOBBS:867.3 Logbook Entry N417RG</p> <p>THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411, IN ACCORDANCE WITH FAR 43, APPENDIX E HAVE BEEN PERFORMED.</p> <p>PARA (a) STATIC SYSTEM TO <u>2000'</u> 7-14-06</p> <p>PARA (b) ALTIMETER #1 TO <u>20000' s/n426904</u> 7-14-06</p> <p>ALTIMETER #2 TO <u>N/A</u></p> <p>PARA (c) INTEGRATED SYSTEM TO <u>20000'</u> 7-14-06</p> <p>KT76C s/n 4438 7-14-06</p> <p>ATC TRANSPONDER SYSTEM OPERATION CHECKED AND MEETS REQUIREMENT OF FAR 91.413 AS PRESCRIBED IN APPENDIX F OF PART 43.</p> <p><i>Dale Rason</i></p>	
			<p align="right"> STAR AVIONICS, INC. LOVELL FIELD W.O. 25747 CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M </p>	

For	Error	Tol
-1000	+5	+/-20
0	-0-	20
500	+5	20
1000	-0-	20
1500	+5	25
2000	+5	30
3000	-0-	30
4000	-5	35
6000	-10	40
8000	-15	60
10000	-20	80
12000	-10	90
14000	-0-	100
16000	+10	110
18000	+30	120
20000	+65	130
22000		140
25000		155
30000		180
35000		205
40000		230
45000		255
50000		280

Star Avionics, Inc.
Repair Station TA4R537M
Lovell Field, Chatt., TN
Phone: (423) 499-1100

Case leak -10 ft/min Tol. 100 ft. +/-		Hysteresis +20 at 50% +15 at 40% Tol. 75 ft. +/-
Friction Error	Tol ft. +/-	After Effect +10 ft. Tol. 30 ft. +/-
1k	20	70
2k	25	70
3k	20	70
5k	20	70
10k	40	80
15k	40	90
20k	45	100
25k		120
30k		140
35k		160
40k		180
50k		250

Baro Scale		
28.10	-1720	-1727
28.50	-1345	-1340
29.00	-865	-863
29.50	-375	-392
29.92	-0	0
30.50	+530	+531
30.90	+875	+893
30.99	+975	+974
Tol. 25 ft. +/-		

Tested Per F.A.R. Part 43, Appendix E.
P/N 59341-3A194 S/N 426904
W.O. 25747 Aircraft N417PG
Date 7-14-06 Tech J. M. [Signature]

SERVICEABLE (COMPONENTS)

PART NAME ASTROMER DATE 7-14-06
 MANUFACTURER Hamilton SN 426904
 PART NO. 59341-3A194
 OWNER Ronan Dillard
 AC TYPE Cessna NO. N417PG
 REMARKS 753.00 to 20.005, low bar 43.000
 TECHNICIAN [Signature]

STAR AVIONICS, INC.
LOVELL FIELD
CHATTANOOGA, TN 37421
FAA CERTIFIED REPAIR STATION #TA4R537M

19	IN SE
	HOURS

December 8, 2006
 N-417RG
 A) Installed the following in accordance with STC# SA2586NM and FAA Approved install manual #103 Rev. C Dated 6-7-1999:
 JP Instruments model EDM-800-6CAM/RF S/N 24547 Engine Monitor with EGT/CHT/OAT/RPM/MP Functions. Installed Indicator in Co-Pilot's Panel. Indicator is powered through a 5A Circuit Breaker located in an existing opening in the avionics buss. All wires routed along existing wire bundles. Firewall penetration for wiring harness was sealed with a stainless steel firewall shield Cessna P/N S1095.4.
 2) Installed the following in accordance with STC# SA00432SE and Fuel Flow install manual #503 Rev. B Dated 3-14-1997: JP Instruments Model EDM-800 Fuel Flow Option consisting of Flowscan Fuel Flow Transducer P/N FXT-201 S/N 157691 and wiring harness. Flow Transducer was mounted between the engine driven fuel pump and fuel injection throttle body using new TSO C53A Type C Fuel Hoses, same diameter as original. Wire harness was routed along existing wire bundles. Aircraft Weight and Balance and Equipment Lists were updated to reflect these changes.
 JP Instruments Flight Manual Supplement (FMS) No. 1 Rev. B Dated 6-17-1999 was inserted in the Aircrafts Flight Manual. Instructions for Continued Airworthiness (ICA) furnished by JP Instruments are as follows:
 Instructions for Continued Airworthiness (ICA) There are no field adjustments and or calibrations requirements for the EDM-700/800 Series instrument after initial installation. ICA is not required. Maintenance of nonfunctioning or malfunctioning components is limited to removal and replacement of JPI factory Supplied new or repaired components as described in the troubleshooting section of the installation instructions. Details are on file at Star Avionics, Inc. under maintenance work order M4002.
 END

Logbook Entry
 Cessna 182

Tach: 745.7
 S/N 18280231

CERTIFICATE TYPE & NUMBER 53

Mark Howland

Mark Howland /AP371860514IA

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
9				
11 DEC 2006 N417RG Airframe			<p>Tach 745.7 WO M3965</p> <p>Performed Annual Inspection Per FAR 43 Appendix D and Cessna 182S Inspection Guides with the following action taken. C/W Fuel calibration check, found to be within limits. C/W Cessna SB04-25-01 REV 2 Seat Act Replacement. ELT. Tested ELT Battery, Checked Good IAW, FAR 91.209 (d). Due Aug 07. Replaced nose tire with customer supplied tire and tube in new condition and New Main Tires and Tubes from Cessna (see 8130-3). Engine was removed then re-installed after work performed by Carlus Gann. IAW Cessna and Lycoming M/M. Note New Crankshaft Serial Batch control # V5379942246. Engine serviced with (8) Qts Aeroshell Mineral 80W and new Oil Filter AA4810. Installed Propeller after Overhaul from Atlanta Propeller Service. Inc See 8130-3. C/W AD200-26-01 Fuel Lines, IAW MSB 242 - D", checked ok, due each year/100 hrs. C/W AD 98-13-10, Muffler Checked ok, due each year/100 hrs. AD'S & Bi-weekly checked to this date. I certify this Aircraft has been Inspected IAW With an Annual Inspection and found to be in an Airworthy Condition and approved for return to service. END</p> <p>Wayne Price A&P 415485957 <i>Wayne Price</i></p>	

17/19

19

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
4/14/08	769	0	<p>This ACFT inspected P/A/W AN ANNUAL INSPECTION PER FAR 43 APPENDIX D WITH THE FOLLOWINGS</p> <p>ACTION + OR REPAIRS, RTR BLT BATTERY + CHECKED P/A/W FAR 91:207 FOUND OK, NEXT DUE OCT. 30, 09, TIGHTENED + TORQUED LEFT AIRCRAFT PUSH PULL ROD JAM NUT, RTR NOSE GEAR TOW BOLT P/N AN5-51A, INSTALLED 4 MISSING NUT PLATES LOWER FIREWALL FORWARD FOR COWLING MOUNT RTR VACUUM FILTERS AA9-18-1 & B3-5-1, ALL AD'S + SB'S CHECKED THRU THIS DATE.</p> <p>I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE.</p> <p>DATE: <u>4-14-08</u> TACH TIME: <u>769.0</u></p>	<p>Richard E. Sattton AIP 3194823-PA</p>

N417RG May 2, 2008
 Tach: 781.9 Hobbs: 922.5
 Removed aircraft battery. Installed new Gill aircraft battery p/n G-241 s/n G02376308. -end-

DATE 19__	TOTAL IN SE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
HOURS	10ths			
				<p><i>Stewart Pruitt</i> 2644624 A&P Stewart Pruitt 2644624 A&P</p>

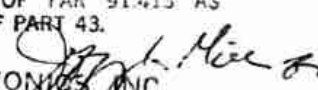
N417RG S/N: 18280231 April 15, 2008
 Tach: 781.9 Hobbs: 922.5
 Complied with AD 2008-06-51, no defects noted. Servo P/N: 2576544-2 S/N: 70149310. This AD inspection is due at next oil change or at 831.9 Tach hours. -End-

Kevin Sewell 3099965 A&P
 Kevin Sewell 3099965 A&P

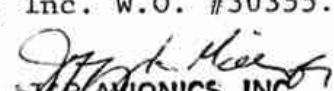
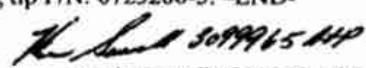
5/15/2008 Star Avionics, Inc. N-417RG
 Lovell Field W.O.M4454
 Chattanooga, TN 37421 Hobbs: 922.7
 Tach: 782.1

Complied with the following Mandatory Service Bulletins:
 SB 04-25-61 Rev. 4 Section 2A 1-6 for MD172-25-10A Perform Seat recline conformity of installation inspection. Inspection found seat Ultraloc good. Crew seats OPS checked good at this time.

Kyle Kennedy
 Kyle Kennedy A&P 548617018

19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS			
		HOBBS: 924.9	Logbook Entry N417RG	
		7-16-08	Replaced altimeter, United p/n 5934P-3A.194 s/n 426904, with new United altimeter p/n 5934P-3A.194 s/n 465531.	
			THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411, IN ACCORDANCE WITH FAR 43, APPENDIX E HAVE BEEN PERFORMED.	
			PARA (a) STATIC SYSTEM TO <u>2000'</u>	7-16-08
			PARA (b) ALTIMETER #1 TO <u>20000' s/n 465531</u>	7-15-08
			ALTIMETER #2 TO <u>N/A</u>	by PAI
			PARA (c) INTEGRATED SYSTEM TO <u>20000'</u>	7-16-08
			KT76C s/n 4438	7-16-08
			ATC TRANSPONDER SYSTEM OPERATION CHECKED AND MEETS REQUIREMENT OF FAR 91.413 AS PRESCRIBED IN APPENDIX F OF PART 43.	
			 STAR AVIONICS, INC. LOVELL FIELD W.O. 30310 CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
		HOBBS: 933.9	Logbook Entry N417RG	
		8-7-08	Replaced directional gyro p/n 1U262-042-2 s/n T54555D with overhauled unit p/n 1U262-042-2 s/n T54440D. Operation check and flight check ok. Ref. Star Avionics, Inc. W.O. #30355.	
			 STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M	
			N417RG	
			Tach: September 18, 2008	
			Removed left side wing tip. Installed new wing tip P/N: 0723200-5. -END-	
			 Kevin Sewell 3099965 A&P	

**CALIBRATION CARD
ALTIMETER**

P/N: 5934P.3

C/N: A194

S/N: 465531

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-5	14,000	+5
0	+5	16,000	+10
500	+10	18,000	+30
1,000	+10	20,000	+80
1,500	+20	22,000	
2,000	+25	25,000	
3,000	+25	30,000	
4,000	+25	35,000	
6,000	+5	40,000	
8,000	-5	45,000	
10,000	-5	50,000	
12,000	-5		

Date: 11-13-07

Tested By:

Inspected By:

5
11

UNITED INSTRUMENTS, INC.

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			N417RG S/N: <u>172S10285</u> ? Tach: 798.0 Hobbs: 942.1 February 3, 2009 Total: 798.0 Removed, cleaned, inspected, repacked and reinstalled all wheel bearings. Lubed all flight control hinges and rod ends. C/W ELT check per CFR 14 part 91.207(d) no defects noted. All AD's current as of this date. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy. - END- <div style="text-align: right;"><i>Kevin Sewell</i> 3099965 IA Kevin Sewell 3099965 I.A.</div>	
			N417RG S/N: 18280231 Tach: 842.0 Hobbs: September 14, 2009 Removed and replaced static wick P/N: 16165 on right elevator. - <i>fixed</i> - <div style="text-align: right;"><i>Kevin Sewell</i> 3099965 A&P Kevin Sewell 3099965 A&P</div>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			N147RG S/N: 18180231 February 16, 2010 Tach: 848.8 Hobbs: 1000.4 Total: 848.8 Removed, cleaned, inspected, repacked and reinstalled all wheel bearings. Replaced vacuum air filters P/N: RAB3-5-1 and P/N: RA-D9-18-1. Lubed all flight control hinges and rod ends. Complied with AD 08-26-10 by inspection, no defects noted. Adjusted left wing IAW maintenance manual for heavy wing effects (left turn). Replaced ELT battery, new battery expires February 2012. Complied with ELT check per CFR 14 part 91.207(d) no defects noted. Replaced seals in nose strut with seal kit P/N: SK172-1F, serviced strut as required by MM. All AD's current as of this date. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy. -END- <div style="text-align: right;"><i>Kevin Sewell</i> 3099965 IA Kevin Sewell 3099965 I.A.</div>	



Air Filter P/N BA-D9-18-1
 Changed at: 848.8 Hrs. Next Change: 1348.8 Hrs.
 Date: 2/15/10 Date: 2/20/11

Air Filter P/N ARB3 5-1
 Changed at: 848.8 Hrs. Next Change: 1348.8 Hrs.
 Date: 2/15/10 Date: 2/20/11

MANDATORY REPLACEMENT: 500 hours in service, annually, or pump replacement, whichever comes first.

MANDATORY REPLACEMENT: 500 hours in service, annually, or pump replacement, whichever comes first.


ITEM: 1
 ORDER: 2403583N/LOT: 3Q08




PN: SK172-1F
 QTY: 1
 U/M: EA
 DESC: STRUT SEAL

AUTHORIZED RELEASE CERTIFICATE 14 FORM 8130-3, AIRWORTHINESS APPROVAL TAG						3. Form Tracking Number 2403583	
4. Organization Name and Address Cessna Aircraft Company Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218						5. Work Order/Contract/Invoice Number 26893	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	STRUT SEAL	SK172-1F	N/A	1	3Q08	New	
1. Remarks: AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL. <div style="text-align: right;">PO# 010162</div>							
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13				15. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: <i>Theresa A Mavec</i>		16. Approval/Authorization No. 100129CE		20. Authorized Signature:		21. Approval/Certificate No. 11 A	
17. Name (Typed or Printed): THERESA A. MAVEC, ODARF		18. Date (m/d/yr): MAY/22/2009		22. Name (Typed or Printed):		23. Date (m/d/yr):	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 15 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>HOBBS: 1014.4 Logbook Entry N417RG 3-30-10 Replaced directional gyro P/N 1U262-042-2 (Cessna P/N S3330-2) S/N T54440D with overhauled directional gyro P/N 1U262-042-2 (Cessna P/N S3330-2RX) S/N T591110F. Operation checks good. Ref. Star Avionics, Inc. W.O. #31213</p> <p align="center">  STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M </p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			<p>HOBBS: 1037.7 Logbook Entry N417RG THE FOLLOWING ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS AS REQUIRED BY FAR 91.411, IN ACCORDANCE WITH FAR 43, APPENDIX E HAVE BEEN PERFORMED.</p> <p> PARA (a) STATIC SYSTEM TO <u>2000'</u> 8-31-10 PARA (b) ALTIMETER #1 TO <u>20000' S/N 465531</u> 8-31-10 ALTIMETER #2 TO <u>N/A</u> PARA (c) INTEGRATED SYSTEM TO <u>20000'</u> 8-31-10 KT76C S/N 4438 8-31-10 ATC TRANSPONDER SYSTEM OPERATION CHECKED AND MEETS REQUIREMENT OF FAR 91.413 AS PRESCRIBED IN APPENDIX F OF PART 43. </p> <p align="center">  STAR AVIONICS, INC. LOVELL FIELD W.O. 31506 CHATTANOOGA TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M </p>	

For	Error	Tol
-1000	-5	+/-20
0	0	20
500	+5	20
1000	+10	20
1500	+15	25
2000	+20	30
3000	+20	30
4000	+15	35
6000	0	40
8000	0	60
10000	-5	80
12000	-5	90
14000	+5	100
16000	+10	110
18000	+15	120
20000	+25	130
22000		140
25000		155
30000		180
35000		205
40000		230
45000		255
50000		280

Star Avionics, Inc. Repair Station TA4R537M Lovell Field, Chatt., TN Phone: (423) 499-1100																																
Case leak <u>27</u> ft/min Tol. 100 ft. +/-	Hysteresis <u>+30</u> at 50% <u>+70</u> at 40% Tol. 75 ft. +/-																															
<table border="1"> <thead> <tr> <th>Friction Error</th> <th>Tol ft +/-</th> </tr> </thead> <tbody> <tr><td>1k</td><td>20 70</td></tr> <tr><td>2k</td><td>20 70</td></tr> <tr><td>3k</td><td>20 70</td></tr> <tr><td>5k</td><td>25 70</td></tr> <tr><td>10k</td><td>30 80</td></tr> <tr><td>15k</td><td>35 90</td></tr> <tr><td>20k</td><td>45 100</td></tr> <tr><td>25k</td><td></td><td>120</td></tr> <tr><td>30k</td><td></td><td>140</td></tr> <tr><td>35k</td><td></td><td>160</td></tr> <tr><td>40k</td><td></td><td>180</td></tr> <tr><td>50k</td><td></td><td>250</td></tr> </tbody> </table>	Friction Error	Tol ft +/-	1k	20 70	2k	20 70	3k	20 70	5k	25 70	10k	30 80	15k	35 90	20k	45 100	25k		120	30k		140	35k		160	40k		180	50k		250	After Effect <u>+25</u> ft. Tol. 30 ft. +/-
Friction Error	Tol ft +/-																															
1k	20 70																															
2k	20 70																															
3k	20 70																															
5k	25 70																															
10k	30 80																															
15k	35 90																															
20k	45 100																															
25k		120																														
30k		140																														
35k		160																														
40k		180																														
50k		250																														
Baro Scale 28.10 -1730-1727 28.50 -1355-1340 29.00 -860-863 29.50 -395-392 29.92 0 0 30.50 +525+531 30.90 +880 +893 30.99 +920 +974 Tol. 25 ft. +/-																																
Tested Per F.A.R. Part 43, Appendix E P/N <u>5934P-3</u> S/N <u>465531</u> W.O. <u>7150E</u> Aircraft <u>CESSNA N417RG</u> Date <u>8-31-10</u> Tech <u>KEVIN COWLEY</u>																																

SERVICEABLE (COMPONENTS)

PART NAME ACTUATOR DATE 8-31-10
 MANUFACTURER UNITRO SN 465531
 PART NO. 5934P-3
 OWNER Romeo J Dippina
 A/C TYPE CESSNA NO. N417RG
 REMARKS Checked Actuator to 20,000 Ft. At 115,000 Feet 4/1 April 10
 TECHNICIAN [Signature]
Kevin Cowley

STAR AVIONICS, INC.
 LOVELL FIELD
 CHATTANOOGA, TN 37421
 FAA CERTIFIED REPAIR STATION #TA4R537M

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>N417RG S/N: 18280231 January 6, 2011 Tach: 893.9 Hobbs: 1051.5 Removed aircraft battery and installed new Concord aircraft battery P/N: RG24-11M S/N: 403921217. Operational checks completed with no defects noted. -END-</p> <p style="text-align: right;"><i>Kevin Sewell 3099965 A&P</i> Kevin Sewell 3099965 A&P</p>	
			<p>N147RG S/N: 18280231 February 16, 2011 Tach: 904.2 Hobbs: 1063.1 Total: 904.2</p> <p>Removed, cleaned, inspected, repacked and reinstalled all wheel bearings. Replaced vacuum air filters P/N: RAB3-5-1 and P/N: RA-D9-18-1. Lubed all flight control hinges and rod ends. ELT battery expires February 2012, complied with ELT check per CFR 14 part 91.207(d) no defects noted. All AD's current as of this date see AD log dated February 16, 2011. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy. -END-</p> <p style="text-align: right;"><i>Kevin Sewell 3099965 I.A.</i> Kevin Sewell 3099965 I.A.</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>N417RG S/N: 18280231 October 27, 2011 Tach: 913.6 Hobbs: 1074.8 Total: 913.6</p> <p>Removed, cleaned, inspected, repacked and reinstalled all wheel bearings. Replaced vacuum air filters P/N: RAB3-5-1 and P/N: RA-D9-18-1. Serviced brakes with MIL-5606 hydraulic fluid as required. Lubed all flight control hinges and rod ends. ELT battery expires February 2012, complied with ELT check per CFR 14 part 91.207(d) no defects noted. All AD's current as of this date see AD log dated October 27, 2011. I certify that this aircraft has been inspected in accordance with an Annual inspection and found to be Airworthy. -END-</p> <p style="text-align: right;"><i>Kevin Sewell 3099965 I.A.</i> Kevin Sewell 3099965 I.A.</p>	



N417RG

SN: 18280231

04/02/2012

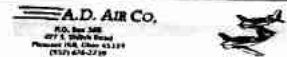
Removed GPS Annunciator Control Unit P/N MD-41-228 S/N 7080.
 Installed Overhauled GPS Annunciator Control Unit P/N MD-41-228 S/N 9971.
 Performed Operational check. Ops checked good.
 Work was performed IAW Mid Continent MD-41-228 Installation Manual P/N 7017874.
 Removed Aircraft Battery Concord P/N RG24-11M S/N 40392127.
 Installed New Aircraft Battery Concord P/N RG24-11M S/N 40476025.
 Performed Operational check. Ops checked good.
 Work was performed IAW Cessna Model 182/T182 Maintenance Manual ATA: 24-30-00.

The Maintenance Identified In This Work Order Package Has Been Inspected And The Item(s) Are Approved For Return To Service. Pertinent Details Of The Repair(s) Are On File At This Agency Under Work Order No. *DAY-WO-2586*

SIGNED *Michael J. Smith*

For STEVENS AVIATION, INC., DAYTON, OH CRS VIB4368K

AIRFRAME LOG BOOK ENTRY



Date 3 April 2013

WO# 614

Type Aircraft Cessna

Model 182S

Reg. No. N417RG

Aircraft S/N 18280231

Aircraft Tach 962.3

Total Time 962.3

Eng. Make Lycoming

Eng. Model IO540-AB1A5

Eng. SN. L-26308-48A

Eng. T/T 962.3

SMOH New

Completed Annual Inspection IAW C182S M/M Annual/100Hrs Inspection Program as Required. Research verified all previous applicable Airworthiness Directives complied with, see attached ~~XXXXXXXXXXXX~~ this date for details. Completed ~~XXXXXXXXXXXX~~ dated 20 April 2012, Replacement of pilot and copilot control column internal slide attach screws w/ MS35265-48 screws and safetied per bulletin, no further action required. **Replaced the Following W/New:** ~~XXXXXXXXXXXX~~ Merl BP-1030, ~~XXXXXXXXXXXX~~. Both pedestal lamps GE1829. Heater flex ducts between mufflers and muffler to firewall manifold w/SCEET 05-30612-12. L/H brake master cylinder hose, AE3663232B0083 and fitting AN921-3D. L/H position light lens W1284-R. R/H flap otbd aft roller bushing, 0523919-0. Davtron clock memory batteries 2 AA Durecell. Both nose Ldg wheel bearings 214-00400, cups 214-00300. Nose Ldg steer rod end M34-14M. R/H wing tip strobe lamp A427. Oil temp sensor S2335-1. **Installed the following;** Airwolf Filter Corp STC No. SA02268CH Air/Oil Separator, Flight Boss Ltd STC No. SA02415CH Rudder Pedal Extensions both pilot and co-pilot positions, Challenger Aviation Products Inc. STC No. SA01669CH Re-Useable Air Filter. Submitted previously installed JPI STC No. SA2586NM dated 12-8-06w/FAA. See FAA Form 337's this date for details and applicable STC instruction for continued airworthiness. Hard mounted SAIR Corp center console Assy. Model No. SSN5.5 by locally fabricated tray base of 6061T6 .063in. sheet with 2ea. 2024 T3 .050 sheet formed angles attached parallel to base w/ MS20426AD4-4 rivets for coupling sides of console. Installed tray base with AN525-10R14 screws (6ea.) utilizing fire extinguisher mount points and additional MS21078-3 nut plates (2ea.) installed at Fus.Sta. 24.0in. Attached console to tray w/ AN525-10R8 screws (4ea). Mounted fire extinguisher to rear of console at Fus. Sta. 49.0in.. See revised W&B this date. **Remarks:** Static balanced all landing gear wheel assemblies. Adj both exhaust tail pipe hangers. All engine and propeller control hardware installed correctly and rigged as required. C/W cabin fire extinguisher 12yr hydrostatic test per DOT. Repaired L/H wing strobe circuit. **Continued...**

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Cessna 182S, N417RG, 3 April 2013 Log Entry Continued; Remarks: Serviced wet compass and repaired light circuit. Adjusted and tightened yoke pitch trim switches. Secured cabin placards. Installed missing pilot seat adjuster screw NAS603-4P and Loctite 242 applied to remainder fore/aft adjuster attach hardware. Adjusted L/H wing for flap/airframe clearance and torqued wing attach hardware. Straightened L/H upper otbd aileron skin surface at. Rudder leading edge trimmed of excess material. Flap roller hardware installed IAW Cessna instruction. Straightened flap follow up torque tube. Dimpled and replaced lwr screws w/ countersunk screws on both aft wing root gap fairings. All flight controls lubed, rigged, cable tensions set and safetied as required. Replaced A/C battery tray brackets (2ea.) 0712059-1 w/locally fabricated 2024T3 Alclad .040" sheet (vice .032"OEM) w/ additional doubler/spacers of 6061T6 .063" at screw attach points (4ea.) to prevent cracks in bracket radius. All wheel pants previously removed, see revised W&B. Adjusted both wing tip position Lts retainer rivnuts for fit. Repaired cracks in L/H wing tip. Installed missing rivet AN470AD4-3 R/H H stab lower trailing edge @ tab push/pull tube location. Set alternator belt tension. Torqued engine manifold pressure hose fittings and replaced eng to firewall hose S1499-4JJ34.50 w/locally fabricated AeroQuip 303-4 hose and fittings, leak check 1000psi. Removed paint from both instrument air static port buttons. Fabricated/installed doublers and installed Tinnerman #6 nut plates in heater kick panel diffusers. Sealed fuel selector valve, no leaks noted function check normal. Secured cabin door wind lace and trimmed interior panels for fit. Checked instrument air manifold check valves & switch function per 37-10-00, function normal. Adj instrument vacuum regulator down to 5.0in.hg. Disconnected CD player "stay alive" pwr to reduce battery power parasite drain. ELT Function checked per action notice A8310.1, performance normal. Serviced brake reservoirs, tires, nose strut, and shimmy damper. Bled L/H brake system. Washed aircraft external, lubed per C182S M/M lube chart. All work done per Cessna 182S M/M, IPC, FAA AC43.13-1B Ch.4,7,8,9,10,11 as applicable. Applicable Service Instructions, FARS and SMP. I certify that this aircraft has been inspected IAW FAR Pt 91.409 Annual Inspection and determined to be in airworthy condition. Test flight performance satisfactory.

Dirk L. Adams A&P2834282IA *Dirk Adams* New Empty WT: 1961.0Lbs. New Empty CG: 36.56In.

MAINTENANCE RECORD

AIRFRAME LOG BOOK ENTRY

A.D. Air Co.
 P.O. Box 144
 477 S. Birch Road
 Pleasant Hill, Utah 84109
 (801) 469-7719



Date 19 April 2014	WO# 617	Reg. No. N417RG	Aircraft S/N 18280231
Type Aircraft Cessna	Model 182S	Eng. Make Lycoming	Eng. Model IO540AB1A5
Aircraft Tach 1013.6	Total Time 1013.6	Eng. T/T 1013.6	SMOH New
Hm 1193.6	Eng. SN. L-26308-48A		

Completed Annual Inspection IAW C182S M/M Annual/100Hrs Inspection Program as Required. Complied with Cessna AD2013-11-11 Dated 1 Aug 2013 per Cessna SB07-79-01 by replacement, with new Pn. 83278 next replacement due 4013.6 ACTT. **Replaced the Following W/New:** Beacon lamp 02-0350433-01. Oil pressure switch 83278 (Rec date 02/11/2014). Upper vacuum pump w/Rapco Pn. RAP215CC, Sn. A54665, per C182S MM Ch 37-10-00 pg.201. **Remarks:** Replaced alternator w/ O/H Pn. 9910591-11 Sn. H-0020453 by Hartzell Engine Technologies Wo# M296880 and belt tension set per C182S MM Ch24-20-00 Pg. 201 function check normal. Repaired lwr fuselage skin at fuselage station 39.0-45.0in., 13.0in. R/H of center line and floor board aft of #230JB floor panel. See 337 this date for details. Straightened nldg R/H steering stop. Removed small dents from lwr engine cowl adjacent tow connection and spot painted. Checked instrument air manifold check valves & switch function per 37-10-00, function normal. ELT Function checked per action notice A8310.1, performance normal. Serviced brake reservoirs, tires, nose strut, and shimmy damper. Washed aircraft external, lubed per C182S M/M lube chart. All work done per Cessna 182S M/M, IPC and STC continued airworthiness instruction as applicable. Applicable Service Instructions, FARS and SMP. I certify that this aircraft has been inspected IAW FAR Pt 91.409 Annual Inspection and determined to be in airworthy condition. Check flight performance satisfactory. Dirk L. Adams

A&P2834282IA *Dirk Adams*

AIRFRAME LOG BOOK ENTRY

A.D. Air Co.
P.O. Box 100
4017 S. State Road
Muncie, Ind. 47302
(317) 436-1776



Date 18 June 2015 **WO#** 620
Type Aircraft Cessna **Model** 182S **Reg. No.** N417RG **Aircraft S/N** 18280231
Aircraft Tach 1037.3 **Total Time** 1037.3 **Eng. Make** Lycoming **Eng. Model** IO540AB1A5
Hm 1221.1 **Eng. SN.** L-26308-48A **Eng. T/T** 1037.3 **SMOH** New

Completed Annual Inspection IAW FAR Part 43 Appendix D and by referencing C182S M/M Annual/100Hrs. Inspection Program as Required. Complied with Cessna AD2013-11-11 Dated 1 Aug 2013 per Cessna SB07-79-01 by replacement, with new Pn. 83278 next replacement due 4013.6 ACTT. **Replaced the Following W/New:** Alternator Control Unit Pn. AC2101, Sn.M49326. R/H engine cowl shock mount J-7444-14. [REDACTED] Merl BP-1030, [REDACTED] **Remarks:** Replaced engine starter with Hartzell Engine Technologies ERB-8011, See Revised Weight and Balance and Amended Equipment List this Date. ELT Function checked per action notice A8310.1, performance normal. Serviced brake reservoirs, tires, nose strut, and shimmy damper. Washed aircraft external, lubed per C182S M/M lube chart. All work done per Cessna 182S M/M, IPC and STC continued airworthiness instruction as applicable. Applicable Service Instructions, FARS and SMP. I certify that this aircraft has been inspected IAW FAR Pt 91.409 Annual Inspection and determined to be in airworthy condition.

Dirk L. Adams A&P2834282IA *Dirk Adams*

New Empty WT: 1959.0Lbs. New Empty CG: 36.63In.

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p style="text-align: center;">*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****</p> <p>I certify that the transponder has been tested as required by 91.413. Unit was found to comply with the limits set in FAR 43, Appendix F. Aircraft Tach/Hobbs. <u>1038.2</u> Reg. Mark: <u>N417RG</u></p> <p>Transponder: Mfg <u>BENDIX KING</u> Model <u>KT-76C</u> S/N <u>4438</u></p> <p>Details of the inspection are on file at this C.R.S. under W.O. No.: <u>A003274</u></p> <p>Date: <u>06-22-2015</u> Signature: <i>[Signature]</i></p> <p>CERTIFIED REPAIR STATION # AJVR135C</p> <p>MUNCIE AVIATION COMPANY MUNCIE, INDIANA 47303-9778</p> <p>PLEASE PLACE IN AIRCRAFT LOGBOOK. MAC</p>	

MAINTENANCE RECORD

AIRFRAME LOG BOOK ENTRY

A.D. AIR CO.
P.O. Box 108
 217 S. 20th Street
 Phoenix, AZ, USA 85016
 (602) 826-2726



Date 1 Aug 2016	WO# 623	Reg. No. N417RG	Aircraft S/N 18280231
Type Aircraft Cessna	Model 182S	Eng. Make Lycoming	Eng. Model IO540AB1A5
Aircraft Tach 1062.5	Total Time 1062.5	Eng. T/T 1062.5	SMOH New
Hm 1250.9	Eng. SN. L-26308-48A		

Prop. Make / Model / Sn. McCauley / B3D36C431-C /980663 **Prop T/T** 1062.5 **SMOH** 316.8 **8 Nov 2006**
 Completed Annual Inspection IAW FAR Part 43 Appendix D and by referencing C182S M/M Annual/100Hrs.
 Inspection Program as Required. Complied with Cessna AD2013-11-11 Dated 1 Aug 2013 per Cessna SB07-79-01
 by replacement, with new Pn. 83278 next replacement due 4013.6 ACTT. **Replaced the Following W/New: N/A**
Remarks: Tightened both instrument light rheostat knobs. Aircraft battery test IAW Concorde manual 5-0171 Rev.
 N passes at 85% capacity. Cleaned and recharged engine induction filter. ELT Function checked per action notice
 A8310.1, performance normal ~~ELT Battery Due August 2017~~. Serviced brake reservoirs, tires, nose strut, and
 shimmy damper. Washed aircraft external, lubed per C182S M/M lube chart. All work done per Cessna 182S M/M,
 IPC and STC continued airworthiness instructions as applicable. Applicable Service Instructions, FARS and SMP. I
 certify that this aircraft has been inspected IAW FAR Pt 91.409 Annual Inspection and determined to be in airworthy
 condition. Dirk L. Adams A&P2834282IA *Dirk Adams*

Empty WT: 1959.0Lbs. Empty CG: 36.63In.

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
98-22-01	06/11/98	3.5	3.5	X		—	<i>[Signature]</i> SE 197R796N 6	
98-78-02	06/11/98	3.5	3.5		X	28.5	<i>[Signature]</i> SE 197R796N 6	
98-34-01	06/11/98	3.5	3.5	X		—	<i>[Signature]</i> SE 197R796N 6	
98-78-03	3-3-99	163.4		X			<i>Robert E. Suttro</i> A+P 408683053	
98-25-02	7-2-99	181.8		✓			<i>Robert E. Suttro</i> A+P 408683053	
99-28-01	7-2-99	181.8		✓			<i>Robert E. Suttro</i> A+P 408683053	
99-52-01	7-2-99	181.8		✓			<i>Robert E. Suttro</i> A+P 408683053	

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
94-53-01	11-12-99	272.6		✓			Tim Babb ATP 408398596	
94-24-01	11-29-99	288.7		✓			Robert E. Sutton ATP 408683053	
99-27-02	2-16-00	269.1		✓			Tim Babb ATP 408398596	
99-25-01	2-16-00	269.1		✓			Tim Babb ATP 408398596	
08-27-01	2-16-00	269.1		✓			Tim Babb ATP 408398596	
99-37-01	02-17-00	269.1		✓			Tim Babb ATP 403398596	
00-79-01	2-29-00	270.9		✓			Matt Thompson ATP 410591787	

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
00-24-01	5-5-00	302.3		✓			Robert E. Sutton ATP 408683053	
00-34-01	5-5-00	302.3		✓			Robert E. Sutton ATP 408683053	
00-73-01	8-16-00	334.2		✓			Tim Babb ATP 408398596	
00-37-01	8-16-00	334.2		✓				
00-27-02	8-16-00	334.2		✓				
00-24-02	8-16-00	334.2		✓				
04-25-01	4-28-04	712.8		✓			Wayne Price ATP 415485957	

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

A.D. NUMBER AND AMENDMENT NO.	METHOD OF COMPLIANCE	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE A.D. (X)		NEXT COMPLIANCE DUE-DATE/ HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
			AIRFRAME	COMPONENT	ONE-TIME	RE-CURRING			
98-13-10	INSTALLED PIPEDS	July 15 1998	33.3			✓	58.3		
98-13-10	INSP.	July 31 1998	44.5			✓	69.5		
98-13-10	INSP.	AUG 24 1998	72.6			✓	92.6		
98-13-10	INSP.	Sept 22 1998	98.6			✓	133.6		
98-13-10	INSP.	NOV. 6 1998	123.4			✓	148.4		
98-23-01	REPLACED COUPLINGS	Jan. 1 1999	135.9			✓			
98-13-10	REPLACED MUFFLES	MAR. 3 1999	163.4			✓		Robert E. Sutton ADP 408683053	

AD #	Category	Subject	Name & Signature	Amend #	Eff Date	Rec	Remarks
N417RG	18280231	Kevin Hornbeck, Owner					
AD #	Date/Hours Compliance	Category	Subject	Name & Signature	Amend #	Eff Date	Remarks
98-01-01	3 Apr 2013 / 962.3 Tach Hrs.	Airframe	Placard In Cockpit	Dirk Adams	39-10287	12/22/97	Verified DNA By Airframe Sn. Alternate Air Source Rework
98-01-14	3 Apr 2013 / 962.3 Tach Hrs.	Airframe	Engine Exhaust Muffler	Dirk Adams	39-10292	12/30/97	Verified N/A by Sn & Not Installed, Ensure Pn 71379-1254017-8 muffler does not get installed on any airplane. Cessna SB97-79-01
98-13-10	15 July 08 / 33.3 Tach Hrs.	Airframe	Superseded By 00-02-14 See Log Entry This				Installed placard and inspected mufflers. Mufflers replaced 19 Mar 1999
98-16-04	3 Apr 2013 / 962.3 Tach Hrs.	Airframe	Angle Stiffener Along Lower Spar	Dirk Adams	39-10679	09/21/98	Verified Wing Extension N/A STC not installed
00-02-14	3 Mar 1999 / 163.4 Tach Hrs.	Airframe	Engine Exhaust Mufflers See Log Entry This		39-11532	03/17/00	C/W Per Cessna SB98-78-03 replaced both muffles w/ Pn 9954200-9, removed placard No Further Action Required
00-04-01	29 Feb 2000 / 270.9 Tach Hrs.	Airframe	Engine Oil Pressure Switch See Log Entry This		39-11583	03/11/00	Replaced oil pressure switch w/ new Pn. 83278 per Cessna SB00-79-01
03-24-13	25 Mar 2004 / Hrs. Unk	Airframe	Superseded By 04-15-18 See Log Entry This				C/W IAW Honeywell Installation Bulletin No. 491 Replaced KC140 AP computer w/ Pn. 065-00176-5403
04-15-18	25 Mar 2004 / Hrs. Unk	Airframe	KAP 140 Autopilot See Log Entry This		39-13752	09/12/04	See Previous Entry, no further action required.
07-05-10	5 May 2008 / 782.1 Tach Hrs.	Airframe	Crew Seat Back Cylinder Lock See Log Entry This		39-14971	09/11/07	Installed Kit MK172-25-07 seat mod per Cessna SB04-25-01 (28 Apr
08-02-18	3 Apr 2013 / 962.3 Tach Hrs.	Airframe	BRS Parachute System	Dirk Adams	39-15348	02/28/08	Verified N/A Parachute System not installed
08-10-02	3 Apr 2013 / 962.3 Tach Hrs.	Airframe	Alternate Static Air Source Selector Valve	Dirk Adams	39-15508	05/12/08	Verified Valve not replaced and Inspected Valve Placard Not Restricting Vent Hole at This Time. IAW Cessna SB08-34-02R1
08-26-10	16 Feb 2010 / 848.8 Tach Hrs.	Airframe	Alternate Static Air Source Selector Valve See Log Entry This		39-15776	01/05/09	Valve not replaced. Inspected valve for identification label blocking vent hole. No defects noted
98-17-11	3 Apr 2013 / 962.3 Tach Hrs.	Engine	Nelson Balancing Service	Dirk Adams	39-10713	10/19/98	Verified N/A no repair made to crankshaft during effective date
02-19-03	3 Apr 2013 / 962.3 Tach Hrs.	Engine	STC Modification	Dirk Adams	39-12883	09/20/02	Verified N/A Turbo Charger STC not installed
03-14-03		Engine	Rotary Fuel Pumps		39-13222	08/14/03	N/A Rotary Pump not installed
04-05-24	17 Oct 2002 / 516.9 Tach Hrs.	Engine	Crankshaft Gear Retaining Bolts See Log This Date		39-13519	03/30/04	Replaced Crankshaft gear retaining bolt per Lycoming SB554 Using Kit No. 05K19987 No Further Action Required
04-10-14	17 Oct 2002 / 516.9 Tach Hrs.	Engine	Crankshaft Gear Retaining Bolt See Log This Date		39-13644	06/25/04	Replaced Crankshaft Gear Retaining Bolt IAW Lycoming MSB554, Kit No. 05K19987 No Further Action Required
05-19-11	3 Apr 2013 / 962.3 Tach Hrs.	Engine	Crankshaft Failure	Dirk Adams	39-14276	10/21/05	Verified DNA By Date of Mfg. IAW Lycoming MSB566
06-12-07	3 Apr 2013 / 962.3 Tach Hrs.	Engine	ECI Cylinder Assemblies	Dirk Adams	39-14632	07/11/06	Verified N/A by Mfr ECI Cylinders not installed
06-20-09	26 Nov 2006 / 745.7 Tach Hrs.	Engine	Superseded By 12-19-01 See Log This Date				IAW Lycoming MSB569A Replaced Crankshaft w/New Lycoming Kit Pn. 05K23580 Sn. V5379942246 No Further Action Required
07-04-19 R1	3 Apr 2013 / 962.3 Tach Hrs.	Engine	Superior Air Parts Cylinder Assemblies	Dirk Adams	39-15005	05/07/07	Verified. N/A by Mfr Superior Cylinders Not installed
09-02-03	16 Feb 2010 / 848.8 Tach Hrs.	Engine	Fuel Injection Servo Plug See Log This Date		35-15793	02/09/09	N/A by Date of Installation Precision Airmotive Original Servo Ref. MSB PRS-107Rev4
09-26-12	3 Apr 2013 / 962.3 Tach Hrs.	Engine	Cracked Cylinder Assemblies	Dirk Adams	39-16151	02/04/10	Verified N/A by Mfr ECI Cylinders Not installed
11-26-04	3 Apr 2013 / 962.3 Tach Hrs.	Engine	Fuel Injector Fuel Lines 1062.3 Tach Hrs. or	Dirk Adams	39-16894	01/25/12	Yes C/W IAW Lycoming MSB No. 342F
12-03-06	13 Apr 2013 / 962.3 Tach Hrs.	Engine	AVStar Fuel Servo Diaphragm	Dirk Adams	39-16947	02/24/12	DNA for Fuel Servo not repaired By AVStar Fuel Systems Per MSB No. AFS-SB6Rev2. Do Not Install Effected Diaphragms
12-19-01	26 Nov 2006 / 745.7 Tach Hrs.	Engine	Crankshaft Replacement See Log This Date		39-17196	10/24/12	Verified Previously C/W See Lycoming AD06-20-09 Engine Crankshaft Replaced 26 Nov 2006 No Further Action Required
05-14-11	3 Apr 2013 / 962.3 Tach Hrs.	Propeller	Southern California Propeller Service No Further Action	Dirk Adams	39-14188	08/17/05	Verified Not Applicable for No Service By Southern California Propeller Service and by Overhaul Date 8 Nov 2006